

# Performance Data Sheet

NSF International Certification  
Tested and Certified by NSF International to ANSI/NSF Standard 42 for Chlorine, Taste and Odor, and particulate Class I, and Standard 53 for Cysts, Lead, Lindane, VOC, Turbidity, MTBE, 2,4-D, and TTHM.



## Eclipse™ Model CT45SEG AND CT45SEW DRINKING WATER FILTRATION SYSTEM

### ANSI/NSF STANDARD 53 (HEALTH EFFECTS)

This system has been tested according to ANSI/NSF Standard 53 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in ANSI/NSF 53.

Substance	Influent challenge concentration (mg/L)	Maximum permissible product water concentration (mg/L)	Percent Reduction
alachlor	0.05	0.001	98%
atrazine	0.1	0.003	97%
benzene	0.081	0.001	>98.7%
carbofuran	0.19	0.001	>99.4%
carbon tetrachloride	0.078	0.0018	>97.6%
chlorobenzene	0.077	0.001	>98.7%
chloropicrin	0.015	0.0002	>98.6%
2,4-D	0.11	0.0017	>98.4%
di bromochloropropane (DBCP)	0.052	0.00002	>99.9%
o-dichlorobenzene	0.08	0.001	>98.7%
p-dichlorobenzene	0.04	0.001	97.5%
1,2-dichloroethane	0.088	0.0048	>94.5%
1,1-dichloroethylene	0.083	0.001	>98.7%
cis-1,2-dichloroethylene	0.17	0.0005	>99.7%
trans-1,2-dichloroethylene	0.086	0.001	>98.8%
1,2-dichloropropane	0.08	0.001	>98.7%
cis-1,3-dichloropropylene	0.079	0.001	>98.7%
dinoseb	0.17	0.0002	>99.8%
endrin	0.053	0.00059	>98.8%
ethylbenzene	0.088	0.001	>98.8%
ethylene dibromide (EDB)	0.044	0.00002	>99.9%
haloacetonitriles (HAN):			
bromochloroacetonitrile	0.022	0.0005	>97.7%
dibromoacetonitrile	0.024	0.0006	97.5%
dichloroacetonitrile	0.0096	0.0002	>97.9%
trichloroacetonitrile	0.015	0.0003	98%
haloketones (HK):			
1,1-dichloro-2-propanone	0.0072	0.0001	>98.6%
1,1,1-trichloro-2-propanone	0.0082	0.0003	>96.3%
heptachlor	0.08	0.0004	99.5%
heptachlor epoxide	0.0107	0.0002	>98.1%
hexachlorobutadiene	0.044	0.001	>97.7%
hexachlorocyclopentadiene	0.06	0.000002	>99.9%
lindane	0.055	0.00001	>99.9%
methoxychlor	0.05	0.0001	99.8%
pentachlorophenol	0.096	0.001	>98.9%
simazine	0.12	0.004	>96.6%
styrene	0.15	0.0005	>99.6%
1,1,2,2-tetrachloroethane	0.081	0.001	>98.7%
tetrachloroethylene	0.081	0.001	>98.7%
toluene	0.078	0.001	>98.7%
2,4,5-TP (silvex)	0.27	0.0016	>99.4%
tribromoacetic acid	0.042	0.001	>97.6%
1,2,4-trichlorobenzene	0.16	0.0005	>99.6%
1,1,1-trichloroethane	0.084	0.0046	>94.5%
1,1,2-trichloroethane	0.15	0.0005	>99.6%
trichloroethylene	0.18	0.001	>99.4%
trihalomethanes (includes):			
chloroform (surrogate chemical)	0.3	0.015	95%
bromoform			
bromodichloromethane			
chlorodibromomethane			
xylenes (total)	0.07	0.001	>98.5%